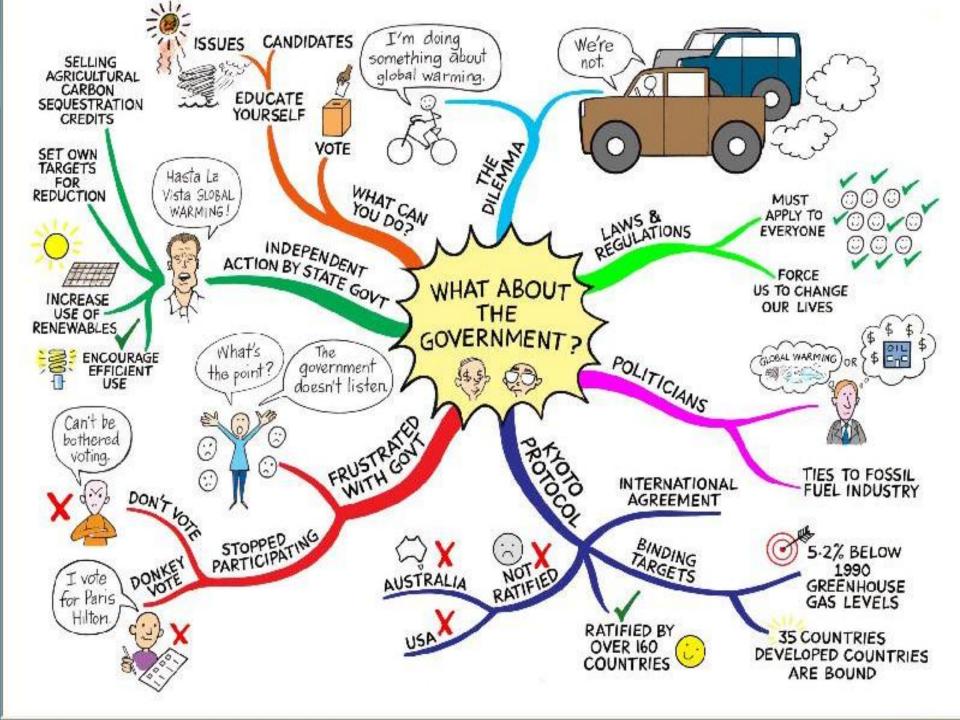
Sustainability at City of Bellevue

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Sustainability at City of Bellevue

Overview

- Frameworks
- Benchmarks & Metrics
- Projects
- Policies
- Changing the Lens
- Collaboration
- Marketing & Outreach
- Challenges

Frameworks

- ICLEI's 5 Principles
 - 1. Conduct a baseline emissions inventory
 - 2. Adopt an emissions reduction target
 - 3. Develop a Local Action Plan
 - 4. Implement the policies and measures in the action plan
 - 5. Monitor, verify and report results
- The Natural Step →
- ESI Strategic Plan
- COB Comprehensive Plan

In a sustainable society, nature is not subject to systematically increasing...



...concentrations of substances extracted from the Earth's crust,



...concentrations of substances produced by society,



...degradation by physical means,

and, in that society...



...people are not subject to conditions that systematically undermine their capacity to meet their needs.

Guiding Documents

City of Bellevue Environmental Stewardship

2009-2012 Strategic Plan



- Natural Assets
- Built Environment
- Climate & Energy
- Water
- Material Life Cycle



City of Bellevue, Washington Greenhouse Gas Emissions Inventory

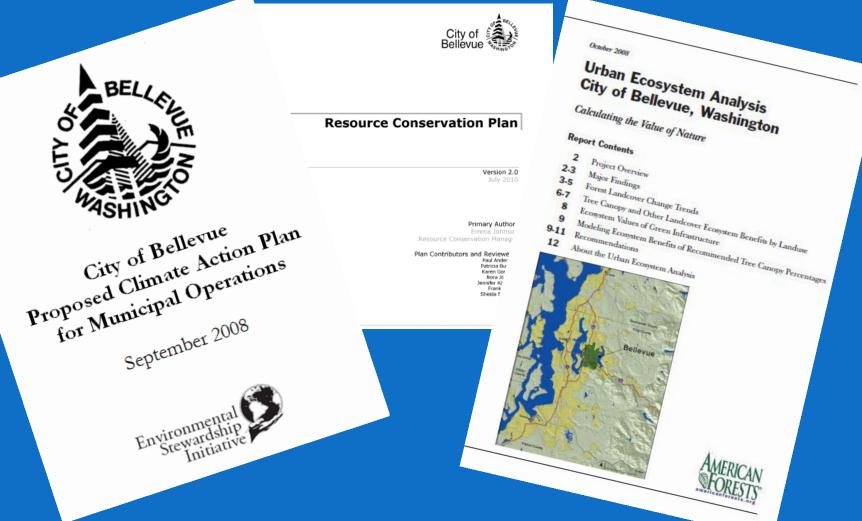
Completed October 2007 Updated June 2008





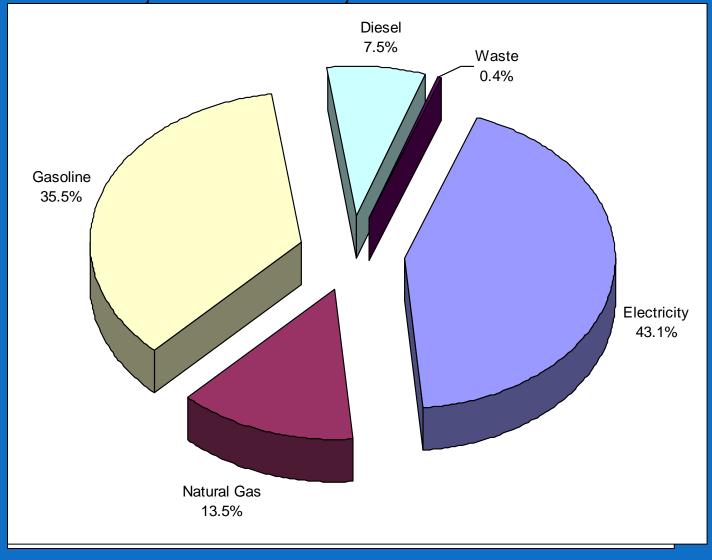


Guiding Documents



City Manager Charge: "Re-establish Bellevue as an environmental leader"

Benchmarking & Metrics Bellevue Community GHG Emissions by Sector - 2006



Benchmarking & Metrics

Key Performance Indicators:

•What indicators should Bellevue be using to measure it's sustainability performance?

Projects: Overview

2010 Project Achievements

- Operational
 - Energy Efficiency Achieved in City Buildings
 - Traffic Signal Savings
 - Clean Fleet Acquisitions
- Community
 - Home Energy Reports Launched
 - Business Support Program Initiated
 - Electric Vehicle Infrastructure Deployed

Project: Resource Conservation Mgr

Facility	Electricity Use Reduction (%)	Electricity Cost Savings (\$)	Pollutant Reduction (MT CO2 eq.)
City Hall	6%	\$27,520	165
Facility	Natural Gas Use Reduction (%)	Natural Gas Cost Savings (\$)	Pollutant Reduction (MT CO2 eq.)
City Hall	4%	\$5,352	21
	Total	\$32,872	186

Project: Traffic Signal Lighting

- LED traffic signals replacing incandescent bulbs; realized savings of:
 - \$188,000 annually in energy costs (baseline 2000)
 - 950 MT CO₂/ year in pollution reduction

Will complete replacements in 2012

Project: Greening the Fleet

33 hybrid vehicles were added to the Fleet in 2010; projected impacts of:

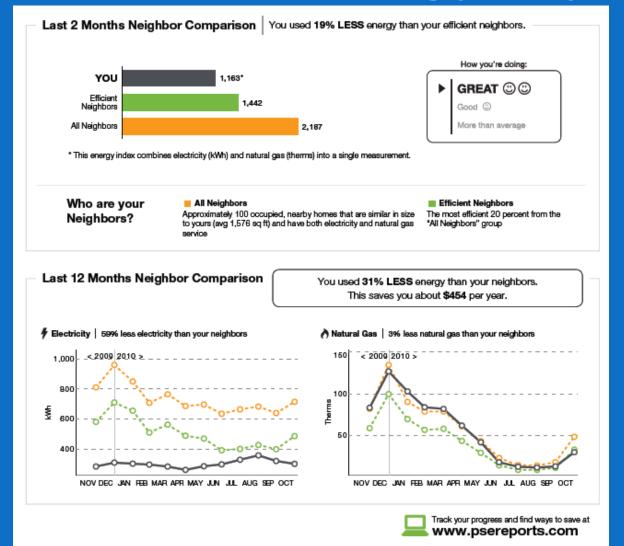
Fuel savings of 11,000 gallons/yr Cost savings of \$30,000/yr Pollution reduction of 90 MT CO₂/ year

By end of 2011:

Expect to have 78 new hybrids, grant funded Will have 127 hybrids in the fleet 36% of the 345 light duty vehicles*
*Excludes police cruisers



Project: Home Energy Reports





Project: Eastside Sustainable Business Alliance

















Project: Electric Vehicle Infrast.

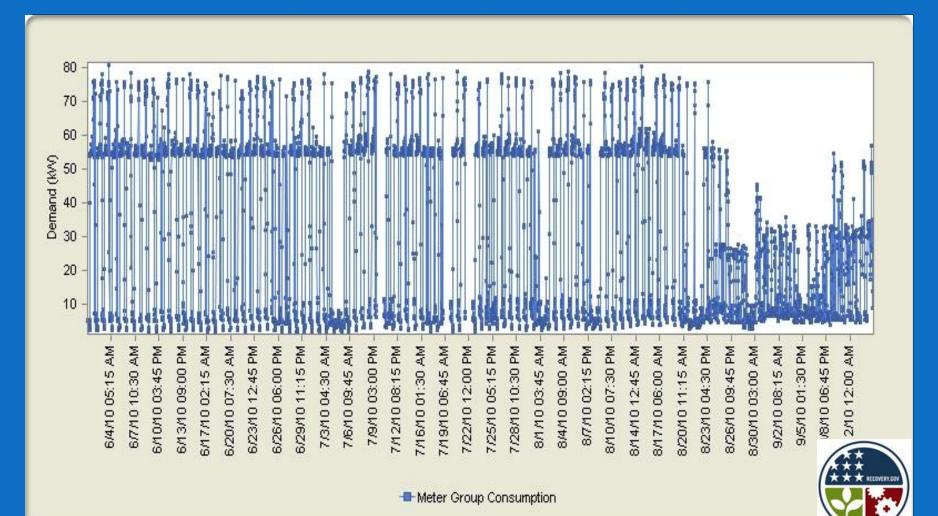


- Inter-jurisdictional effort
- •First 2 stations at City Hall
- 14 coming to Community Centers
- Level II & Fast Charge Rollout





Project: Recreation Facility Lighting



Policies

 How might the City effect sustainability through Policies?

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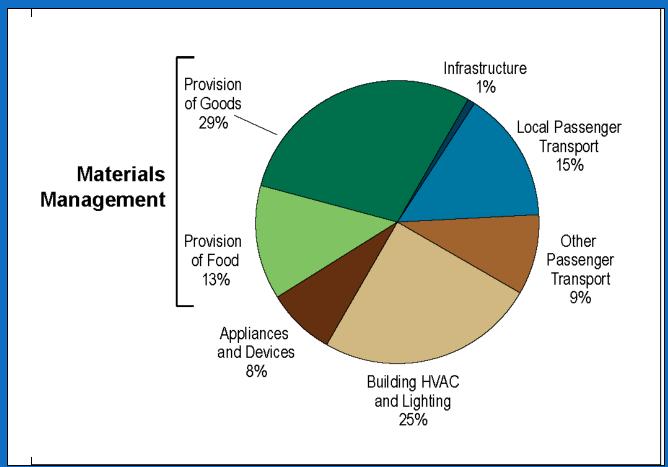
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• What to do if policy-makers don't support the cause?

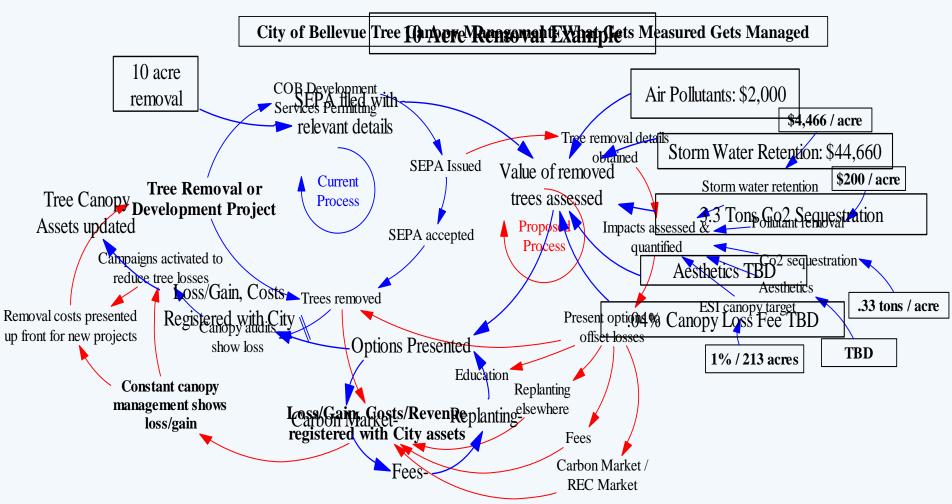
Changing the Lens

Systems Based View of Emissions: U.S. GHG Emissions (2006)



Source: Draft values from *Opportunities to Reduce Greenhouse Gas Emissions through Materials and Land Management Practices*. U.S. EPA. (forthcoming).

Changing the Lens



Collaboration

PPP's – Public Private Partnerships



C-7 New Energy Cities

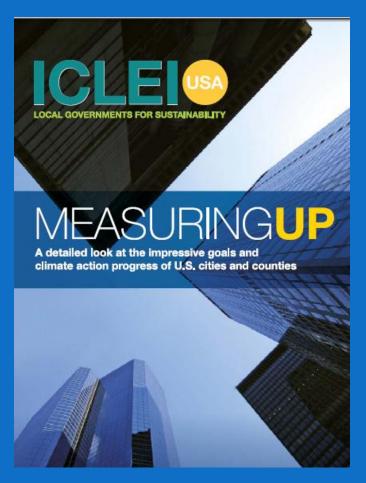


Marketing & Outreach

- Measuring Up
- "It's Your City"
- Web Portals
- ESBA
- Carbon Yeti



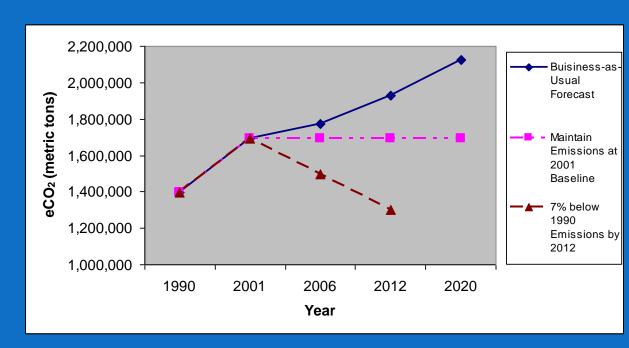






Challenges

- Reversing the Trendline
- Data Management
- Tree Canopy Retention
- Marketing
- Engagement
- Institutionalization





Thank you!

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